

ABSTRACT

Techniques are disclosed for synchronizing master data in enterprise business applications. Specifically, time-constrained data is grouped according to a separate parameter that is itself time-dependent, whereby the data may be synchronized across
5 enterprise business applications (e.g., a human resource management system). More specifically, human resource management data is separated into logical groups (known as "Infotypes," e.g., Basic Pay, Work Assignment) for each employee. A time-dependent parameter common to multiple Infotypes is selected as a grouping value for the Infotypes. When data is changed in one Infotype, the grouping value is used to ensure that the data is
10 changed everywhere it appears, even across multiple work assignments. Grouping values may change over time, and techniques are described for why and how the grouping values may be changed while maintaining synchronized data..

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